3739

**PATENT** 

Attorney Docket No.: A-67499-1/RFT/RMS/RM

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BET b. 4.02

Examiner:

Not Yet Assigned

Group Art Unit: 3739

= 1 = (0) (suppl.)

**KAYYEM** 

Serial No. 09/472,657

re Application of:

Filed: December 27, 1999

For:

TISSUE COLLECTION DEVICES

CONTAINING BIOSENSORS

## CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed enclosures, is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231

Dated: Signed:

Christine P. Peters

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMEN

<u>AND</u>

STATEMENT OF RELATEDNESS

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicant wishes to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO-1449. Copies of the references are enclosed.

With respect to patent applications, the applicants point out their duty under M.P.E.P. §2001.06(b) to disclose relevant patent applications of which they are aware. To this end, the applicants draw the Examiner's attention to the following patent applications;

1. United States Serial Number 08/743,798, filed November 5, 1996, now Patent Number 6,096,273; U.S.S.N. 08/873,978, filed June 12, 1997; U.S.S.N. 08/899,510, July 24, 1997, now Patent Number 6,221,583; U.S.S.N. 08/911,085, filed August 14, 1997, now -1 -

**Serial No.**: 09/427,657 **Filed**: December 27, 1999

Patent Number 6,090,933; U.S.S.N. 09/557,577, filed April 21, 2000; and U.S.S.N. 09/577,429, filed May 22, 2000.

- 2. U.S.S.N. 09/135,183, filed August 17, 1998.
- U.S.S.N. 08/873,597, filed June 12, 1997; U.S.S.N. 08/911,589, filed August
   14, 1997, now Patent Number 6,232,062; and U.S.S.N. 09/660,374, filed September 12, 2000.
- 4. U.S.S.N. 09/306,653, filed May 6, 1999 and U.S.S.N. 09/452,277, filed February 3, 1999.
  - 5. U.S.S.N. 09/245,105, filed January 27, 1999.
  - 6. U.S.S.N. 09/096,593, filed June 12, 1998.
- 7. U.S.S.N. 09/428,155, filed October 27, 1999 and U.S.S.N. 10/016,416, filed December 10, 2001.
  - 8. U.S.S.N. 09/295,691, filed April 21, 1999.
- 9. U.S.S.N. 09/238,351, filed January 27, 1999 and 09/621,275 filed July 20, 2000.

None of the foregoing references are believed to disclose the invention as claimed.

Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

This Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of a national stage, or before the mailing date of a first Office Action on the merits, 37 C.F.R. § 1.97(b), and therefor

- 2 -

**Serial No.**: 09/427,657 **Filed**: December 27, 1999

no fee is required. The Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1300 (Our Order No. A-67499-1/RFT/RMS/RMK).

Respectfully submitted,

FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT

Dated: 3/6/02

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PTO/SB/8A (08-00) Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Panerwork Reduction Act of 1995, no

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	Substitute for form 1449A/PTO	Complete if Known		
1	PE DECEMBER OF THE	Application Number	09/427,657	
,	PIFORMATION DISCLOSURE	Filing Date	December 27, 1999	
	AR 19 200 CATEMENT BY APPLICANT	First Named Inventor	Kayyem	
١	(use as many sheets as necessary)	Group Art Unit	3736	
		Examiner Name	Not Yet Assigned	
(	4 SHADEN 1 of 3	Attorney Docket Number	A-67499-1/RFT/RMS/RMK	

			U.S. PATENT DOCU	JMENTS		
Examiner Initials*	Cite No.1	U.S. Patent Document  Number Kind Code² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	1	4,704,193	Bowers et al.	11/1987	rigures Appear	
	2	4,707,352	Stavrianopoulos	11/1987		
	3	4,787,963	MacConnell	11/1988		
	4	4,945,045	Forrest et al.	07/1990		
	5	5,089,112	Skotheim et al.	02/1992		
	6	5,180,968	Bruckenstein et al.	01/1993		
	7	5,242,828	Bergstrom et al.	09/1993		
	8	5,356,786	Heller et al.	10/1994	d	
	9	5,391,272	O'Daly et al.	02/1995	ω 71	
	10	5,436,161	Bergstrom et al.	07/1995	ं अं त	
	11	5,443,701	Willner et al.	08/1995		
	12	5,571,568	Ribi et al.	06/1989	208	
	13	5,632,957	Heller et al.	05/1997		
	14	5,700,667	Marble et al.	12/1997	6 3 <del>U</del>	
	15	5,795,453	Gilmartin	08/1998	3	
	16	5,837,859	Teoule et al.	11/1998		
	17	5,849,486	Heller et al.	12/1998		
	18	6,060,023	Maracas	05/2000		
	19	6,060,327	Keen	05/2000		

						FOREIGN PATENT DOCUMEN	TS		
Examiner	Cite No.1					Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevant	
Initials*		Office <sup>3</sup>	Number <sup>4</sup>	Kind Co		of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T
	20	WO	85/05815			Genetics International, Inc.	03/1985		
	21	wo	WO 97/31256 A3		Cornell Research Found.	08/1997			
	22	WO	97/41425		A1	Pence Inc.	11/1997		
	23	wo	98/27229			University of Chicago	06/1998		
	24	wo	98/51823		A1	Mosaic Technologies	11/1998		

Examiner Signature	Date Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

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Sheet

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Attorney Docket Number

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				U.S. PATENT DOC	UMENTS			
Examiner Initials*	Cite No.1	).1 Kind Code		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant		
		Number	(if known)		WIWI-DD-1111	Figures Appear		
	25	6,071,699		Meade et al.	06/2000			
	26	6,087,100		Meade et al.	07/2000			
	27	6,096,273		Kayyem et al.	08/2000			
	28	6,096,825		Garnier et al.	08/2000			
	29	6,107,080		Lennox	08/2000			
	30 6,177,250 31 6,180,352		Meade et al.	01/2001	1 -			
			Meade et al.	01/2001	Ö			
	32	6,200,761		Meade et al.	03/2001	92 - 24		
	33	6,203,758		Marks et al.	03/01	と 55 5		
	34	6,207,369		Wohlstadter et al.	03/2001	2 11		
	3.5	6,238,870		Meade et al.	05/2001	3 3		
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						FOREIGN PATENT DOCUMENT	rs		
Examiner	Cite No.1	Foreign	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Pages, Columns, Lines, Where Relevant	
Initials*	No.	Office <sup>3</sup> Number <sup>4</sup>		Kind Code <sup>2</sup> (if known)		of Cited Document	of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T <sup>6</sup>
	36	wo	98/57319		A1	Clinical Micro Sensors, Inc.	11/1999		Ц_
	37 WO 99/29711 A1		Nanogen Inc.	06/1999		丄			
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				Group Art Unit	3736	
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Sheet	3	of	3	Attorney Docket Number	A-67499-1/RFT/RMS/RMK	

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	39	Bamdad, C. "A DNA self-assembled monolayer for the specific attachment of unmodified double - or single stranded DNA," Biophysical Journal, 75:1997-2003 (1988).	
	40	Sloop et al., "Metalloorganic labels for DNA sequencing and mapping," New. J. Chem., 18: 317-326 (1994).	L
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